IN THE CLAIMS:

1. (Withdrawn) A composition for cleaning and inhibiting corrosion and scale formation on the surfaces of processing equipment in contact with circulating water and/or chemicals, which comprises:

a) hydrochloric acid;

b) hydrofluoric acid;

c) at least one chelating agent;

d) a copper complexing agent; and

e) acridine orange.

2. (Withdrawn) The composition of claim 1, wherein the chelating agent is selected from the group consisting of ethylene diamine tetracetic acid (EDTA), citric acid and mixtures thereof.

3. (Withdrawn) The composition of claim 2, wherein the chelating agent is a mixture of about 2%, by weight, EDTA and about 2%, by weight, of citric acid.

4. (Withdrawn) The composition of claim 1, wherein the hydrochloric acid is about 8%, by weight, of the composition.

5. (Withdrawn) The composition of claim 1, wherein the hydrofluoric acid is about 1.5%, by weight, of the composition.

6. (Withdrawn) The composition of claim, wherein the concentration of acridine orange is about 50 to about 200 ppm.

7. (Withdrawn) The composition of claim 6, wherein the concentration of acridine orange is about 80 ppm.

8. (Withdrawn) The composition of claim 1, wherein the copper complexing agent is thiourea.

9. (Withdrawn) The composition of claim 8, wherein the concentration of thiourea is about 100 ppm.

10. (Withdrawn) The composition of claim 1, wherein the composition also includes 0.1 g/l of a neutral emulsifying agent.

11. (Currently amended) A process for cleaning and inhibiting scale formation on the surfaces of process equipment which contacts circulating water and/or chemicals, which ~~comprises~~ consists of:

contacting the process equipment surfaces for a period of about 8 hours and at a temperature of about 300°C and higher which is effective to effect cleaning and/or scale inhibition with a composition ~~comprising~~ consisting of:

a) about 8%, by weight, of hydrochloric acid;

b) about 1.5%, by weight, of hydrofluoric acid;

c) a chelating agent which is a mixture of about 2%, by weight, of EDTA and about 2%, by weight, of citric acid;

d) about 100 ppm of thiourea as a copper complexing agent; and

e) about 40 to about 200 ppm of acridine orange.

12.-21. (Cancelled)

22. (Previously presented) The process of claim 11, wherein the composition also includes 0.1 g/l of a neutral emulsifying agent.